6. Schematic Diagrams

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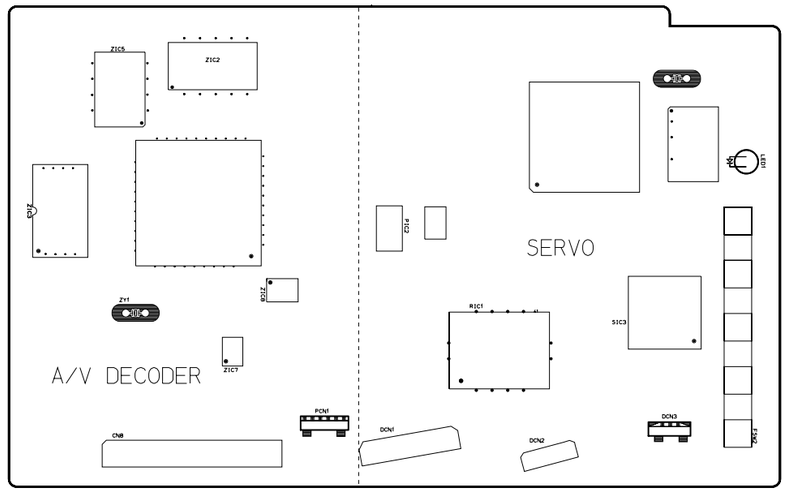
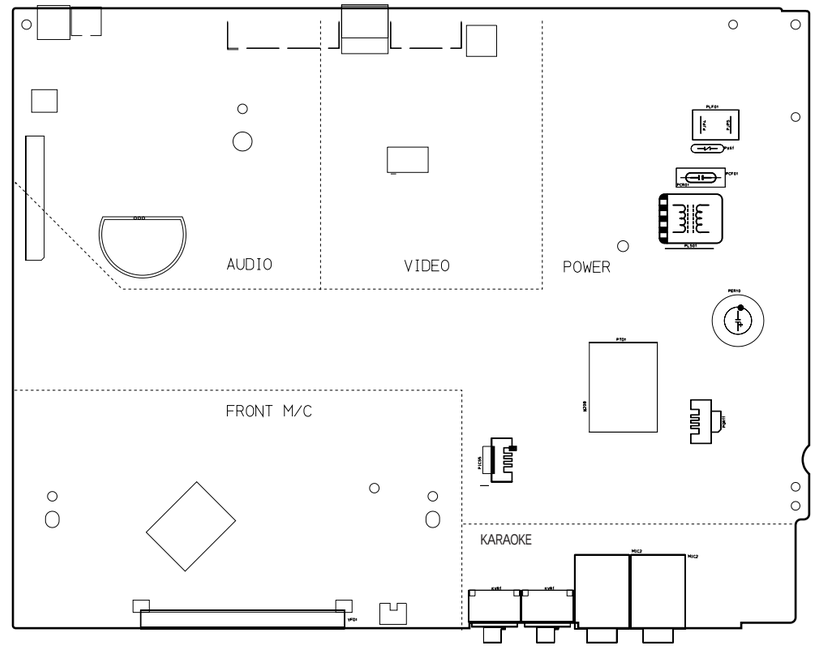
Block Identification of PCB

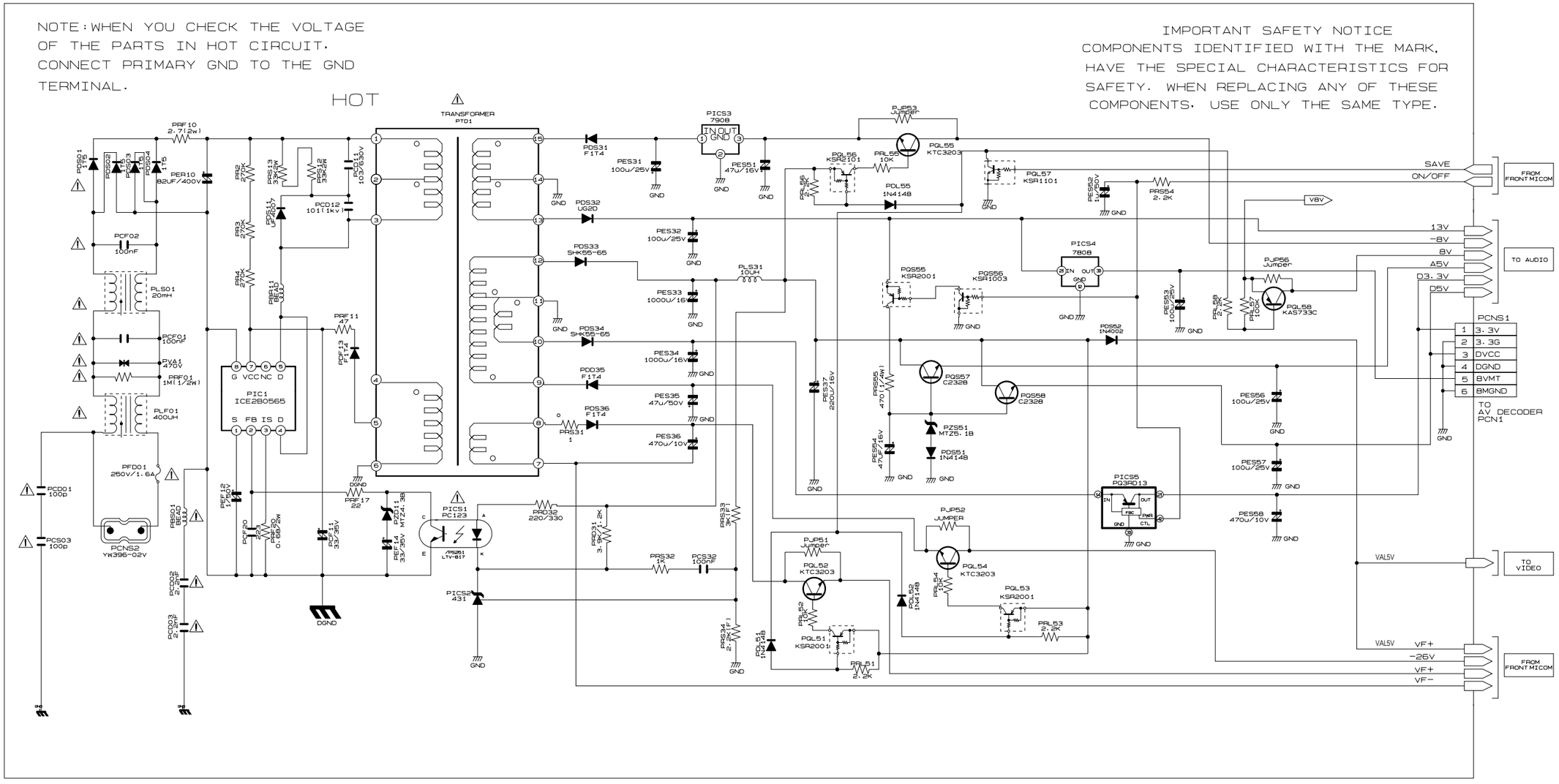


Main PCB (Component Side)

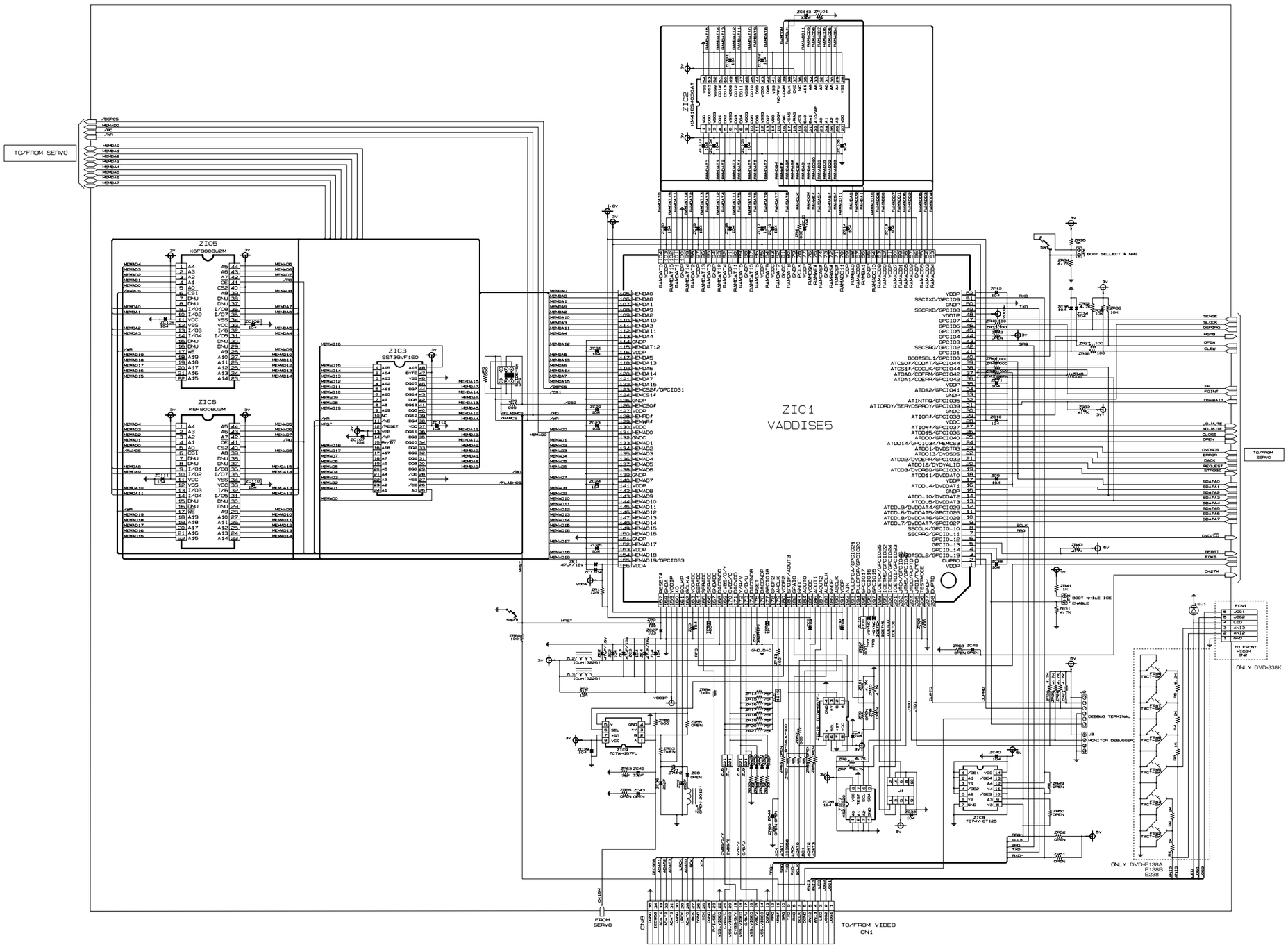


Jack PCB (Conductor Side)

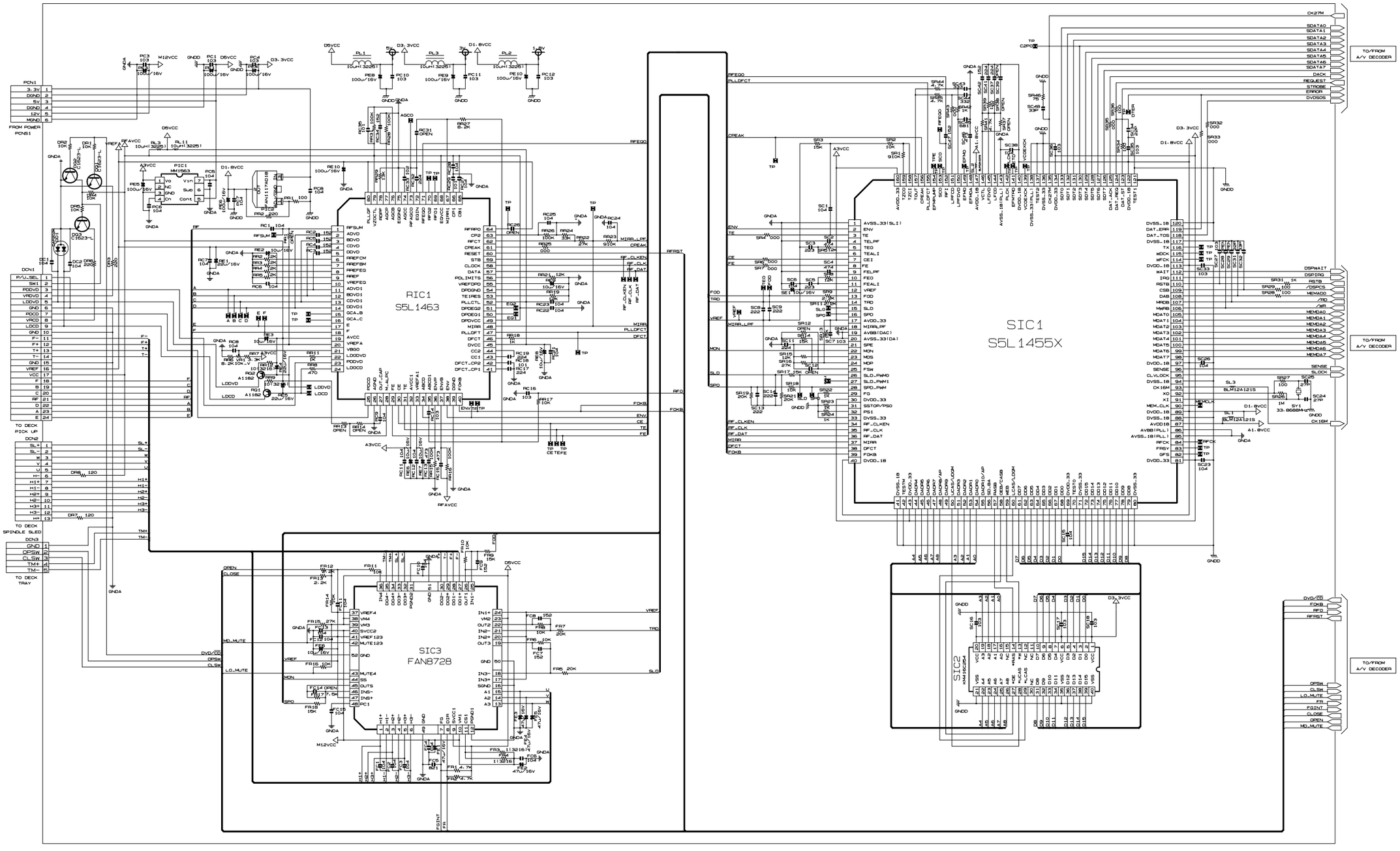
6-1 Power


NOTE : WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT. CONNECT PRIMARY GND TO THE GND TERMINAL.
HOT
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK, HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.
TRANSFORMER PT01
PRF10 2.7/2W
PDS01 FR
PDS02
PDS03
PDS04
PER10 82UF/400V
PCF02 100nF
PLS01 20mH
PCF01 100nF
PVA1 470V
PRF01 1M(1/2W)
PLF01 400uH
PFD01 250V/1.6A
PCD01 100p
PCS03 100p
PCNS2 YW396-02V
PBS01 BEAD
PCD02 2.2nF
PCD03 2.2nF
PIC1 ICE2B0565
G VCC NC D
S FB IS D
PR2 270K
PR3 270K
PR4 270K
PES13 560K
PES12 332K
PCD11 103/630V
PCD12 101(1kV)
PES11 UF2007
PES10 UG20
PRF11 47
PRF13 FT1.5
PRF12 1.5Ω
PCF20 47 1W
PRF20 0.68/2W
PCF21 33/35V
PRF17 22
PCD13 MT24.3B
PCS1 PC123
PCS2 431
PRD32 220/330
PRD31 3.9K/1.2K
PRS33 3K
PRS32 1K
PCS32 100nF
PRS34 2.7K(1/2W)
PDS31 F1T4
PES31 100u/25V
PICS3 7908
PES551 47U/16V
PDS32 UG2D
PES32 100u/25V
PDS33 SHK55-65
PLS31 10UH
PES33 1000u/16V
PDS34 SHK55-65
PES34 1000u/16V
PDD35 F1T4
PES35 47u/50V
PDS36 F1T4
PES36 470u/10V
PRS31 1
PES37 220U/16V
PJP53 Jumper
PQL55 KTC3203
PQL56 KSR2101
PRL55 10K
PRL56 4.7K
PDL55 1N4148
PQL57 KSR1101
PES52 100u/25V
PRS54 2.2K
PJP56 Jumper
PQL58 KA5733C
PICS4 7808
PQS55 KSR2001
PQS56 KSR1003
PES53 100u/25V
PRL58 4.7K
PRL59 10K
PQS52 1N4002
PQS57 C2328
PQS58 C2328
PES55 470U/16V
PZS51 MTZ5.1B
PDS51 1N4148
PES54 470U/16V
PES56 100u/25V
PES57 100u/25V
PES58 470u/10V
PICS5 PQ3RD13
PJP52 JUMPER
PQL54 KTC3203
PRL54 1K
PQL53 KSR2001
PRL53 2K
PJP51 Jumper
PQL52 KTC3203
PRL52 10K
PDL52 1N4148
PQL51 KSR2001
PRL51 0.2K
PDL51 1N4148
SAVE
ON/OFF
FROM FRONT MICOM
V8V
13V
-8V
8V
A5V
D3.3V
D5V
TO AUDIO
PCNS1
1 3.3V
2 3.3G
3 DVCC
4 DGND
5 BVMT
6 BMGND
TO AV DECODER PCN1
VAL5V
TO VIDEO
VAL5V
VF+
-26V
VF+
VF-
FROM FRONT MICOM
GND
DGND

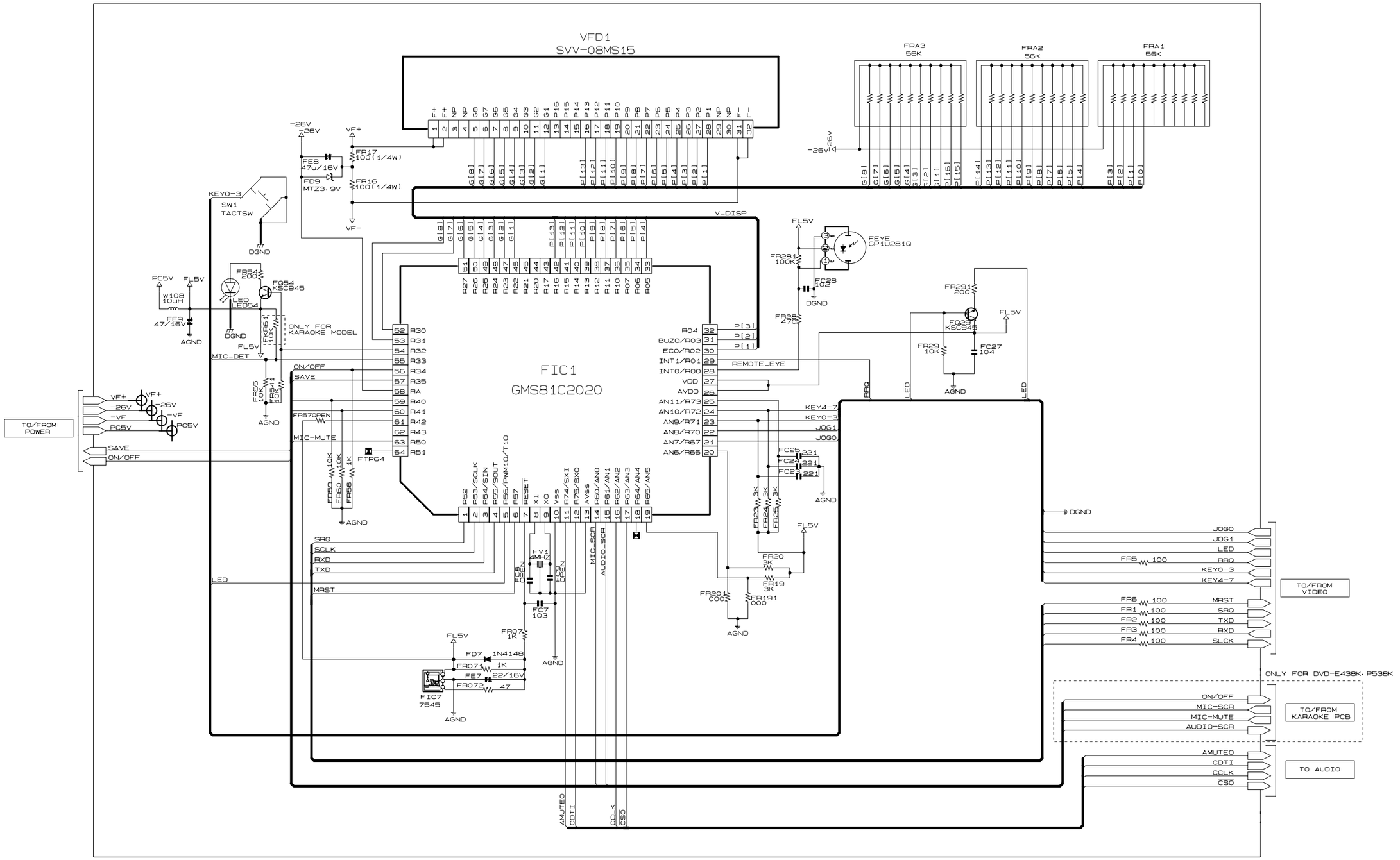
6-2 A/V-Decoder/Main-Micom



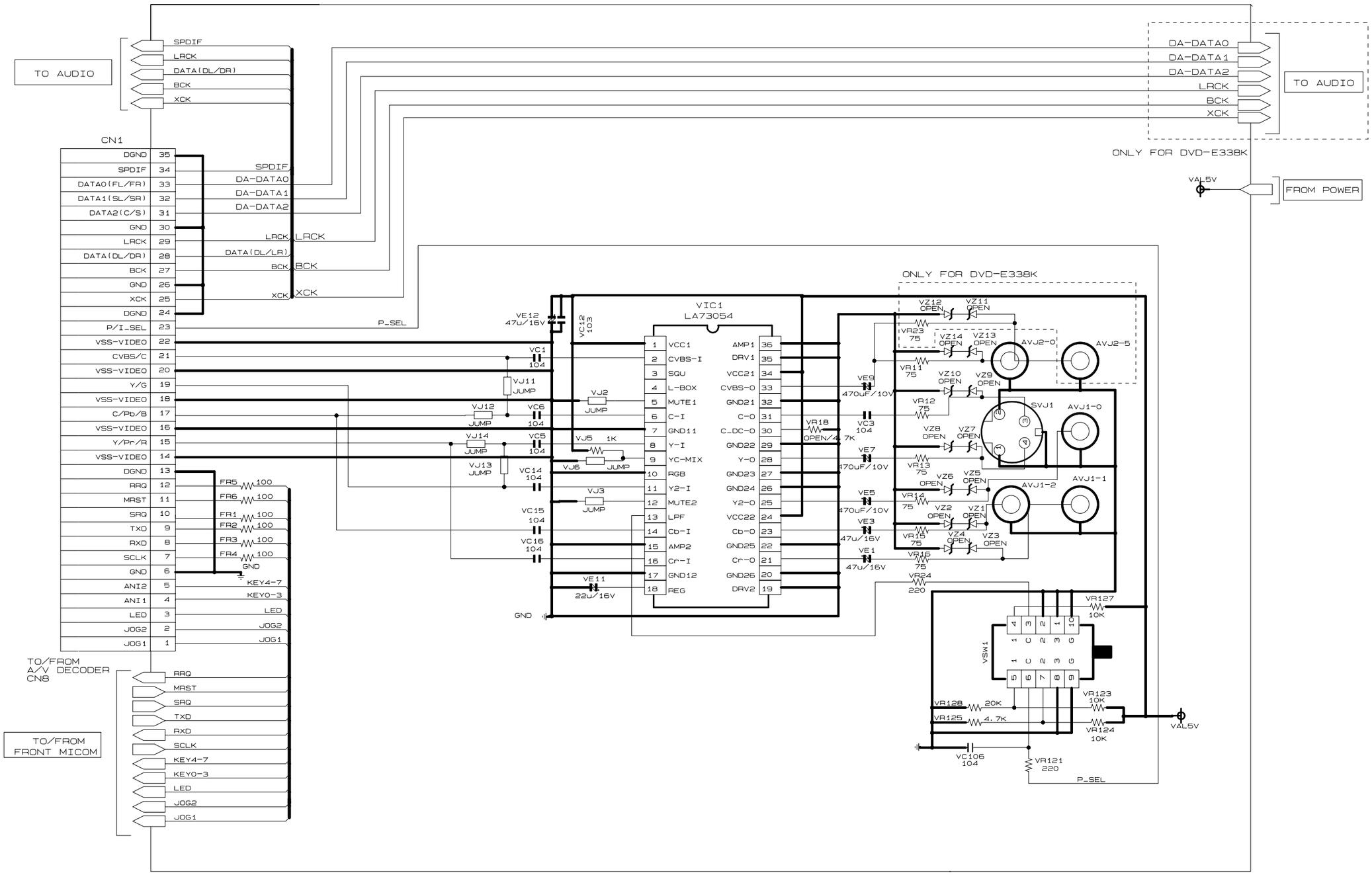
6-3 Servo


RIC1
S5L1463
SIC1
S5L1455X
SIC3
FAN8728
SIC2
TO/FROM A/V DECODER
TO DECK PICK UP
TO DECK SPINDLE SLED
TO DECK TRAY
FROM POWER PCNS1

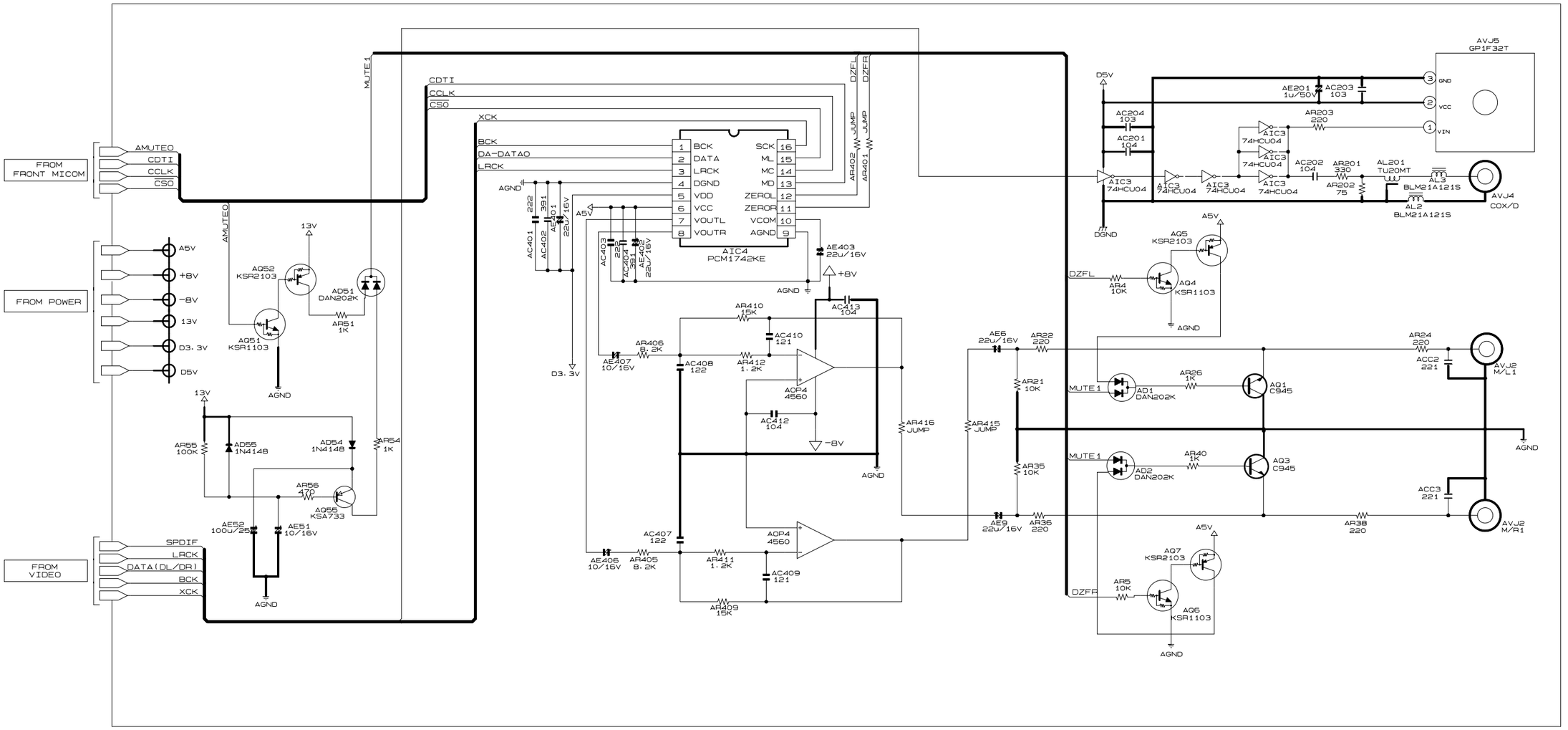
6-4 Front-Micom/VFD Display/Key



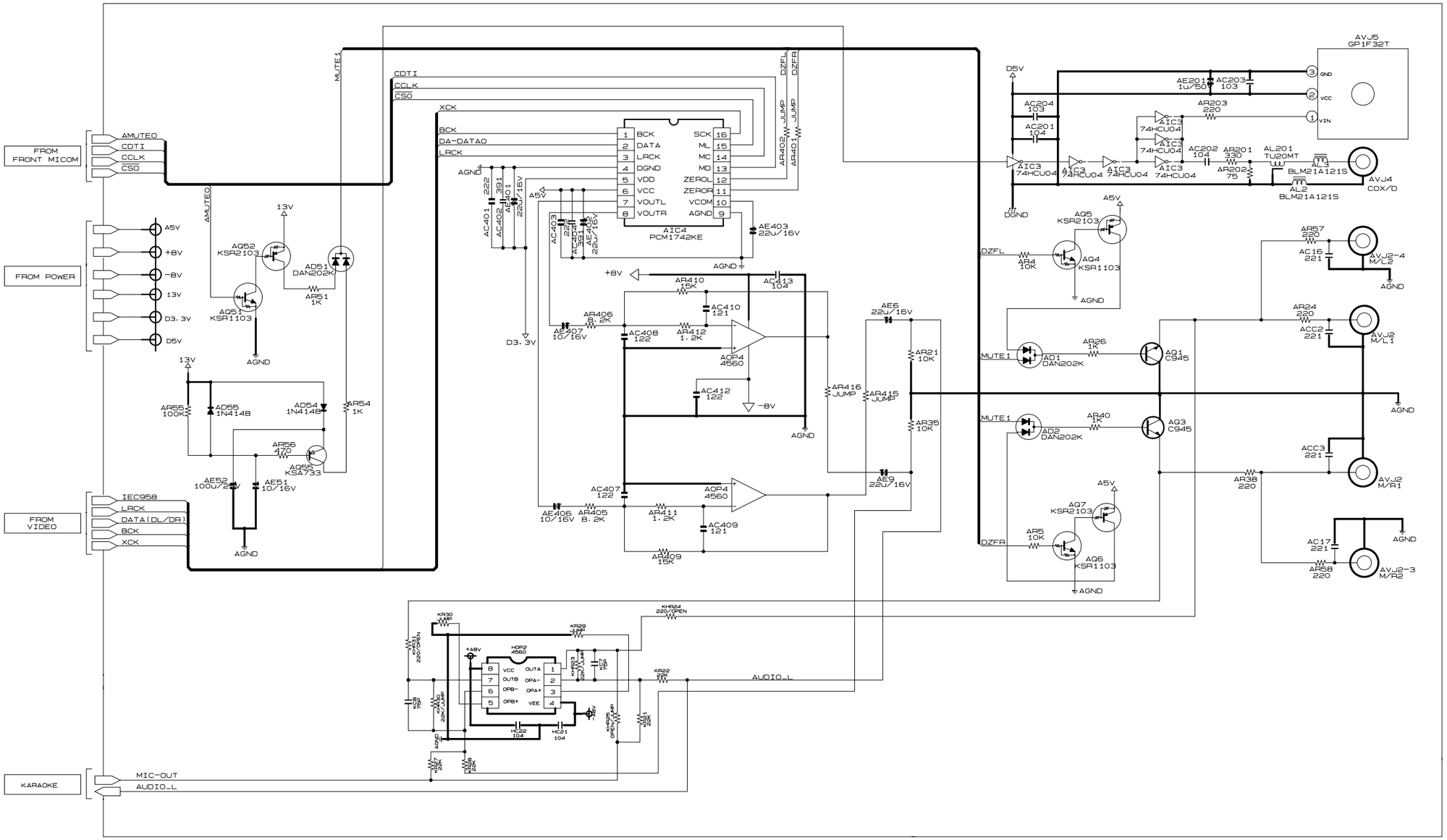
6-5 Video


TO AUDIO
SPDIF
LRCK
DATA(DL/DR)
BCK
XCK
CN1
DGND 35
SPDIF 34
DATA0(FL/FR) 33
DATA1(SL/SR) 32
DATA2(C/S) 31
GND 30
LRCK 29
DATA(DL/DR) 28
BCK 27
GND 26
XCK 25
DGND 24
P/I_SEL 23
VSS-VIDEO 22
CVBS/C 21
VSS-VIDEO 20
Y/G 19
VSS-VIDEO 18
C/Pb/B 17
VSS-VIDEO 16
Y/Pr/R 15
VSS-VIDEO 14
DGND 13
RRQ 12
MRST 11
SRQ 10
TXD 9
RXD 8
SCLK 7
GND 6
ANI2 5
ANI1 4
LED 3
JOG2 2
JOG1 1
DA-DATA0
DA-DATA1
DA-DATA2
LRCK
DATA(DL/LR)
BCK
XCK
P_SEL
FR5 100
FR6 100
FR1 100
FR2 100
FR3 100
FR4 100
GND
KEY4-7
KEY0-3
LED
JOG2
JOG1
TO/FROM A/V DECODER CN8
RRQ
MRST
SRQ
TXD
RXD
SCLK
KEY4-7
KEY0-3
LED
JOG2
JOG1
TO/FROM FRONT MICOM
DA-DATA0
DA-DATA1
DA-DATA2
LRCK
BCK
XCK
TO AUDIO
ONLY FOR DVD-E338K
VAL5V
FROM POWER
VE12 47u/16V
VC12 103
VIC1 LA73054
1 VCC1
2 CVBS-I
3 SQU
4 L-BOX
5 MUTE1
6 C-I
7 GND11
8 Y-I
9 YC-MIX
10 RGB
11 Y2-I
12 MUTE2
13 LPF
14 Cb-I
15 AMP2
16 Cr-I
17 GND12
18 REG
36 AMP1
35 DRV1
34 VCC21
33 CVBS-O
32 GND21
31 C-O
30 C_DC-O
29 GND22
28 Y-O
27 GND23
26 GND24
25 Y2-O
24 VCC22
23 Cb-O
22 GND25
21 Cr-O
20 GND26
19 DRV2
VC1 104
VJ11 JUMP
VJ12 JUMP
VC6 104
VJ2 JUMP
VJ14 JUMP
VC5 104
VJ5 1K
VJ13 JUMP
VJ6 JUMP
VC14 104
VJ3 JUMP
VC15 104
VC16 104
VE11 22u/16V
GND
VE9 470uF/10V
VC3 104
VR18 OPEN/4.7K
VE7 470uF/10V
VE5 470uF/10V
VE3 47u/16V
VE1 47u/16V
ONLY FOR DVD-E338K
VZ12 OPEN
VZ11 OPEN
VR23 75
VZ14 OPEN
VZ13 OPEN
AVJ2-0
AVJ2-5
VR11 75
VZ10 OPEN
VZ9 OPEN
VR12 75
SVJ1
AVJ1-0
VZ8 OPEN
VZ7 OPEN
VR13 75
VZ6 OPEN
VZ5 OPEN
AVJ1-2
AVJ1-1
VR14 75
VZ2 OPEN
VZ1 OPEN
VR15 75
VZ4 OPEN
VZ3 OPEN
VR16 75
VR24 220
VR127 10K
VSW1
VR128 20K
VR125 4.7K
VR123 10K
VR124 10K
VC106 104
VR121 220
P_SEL
VAL5V

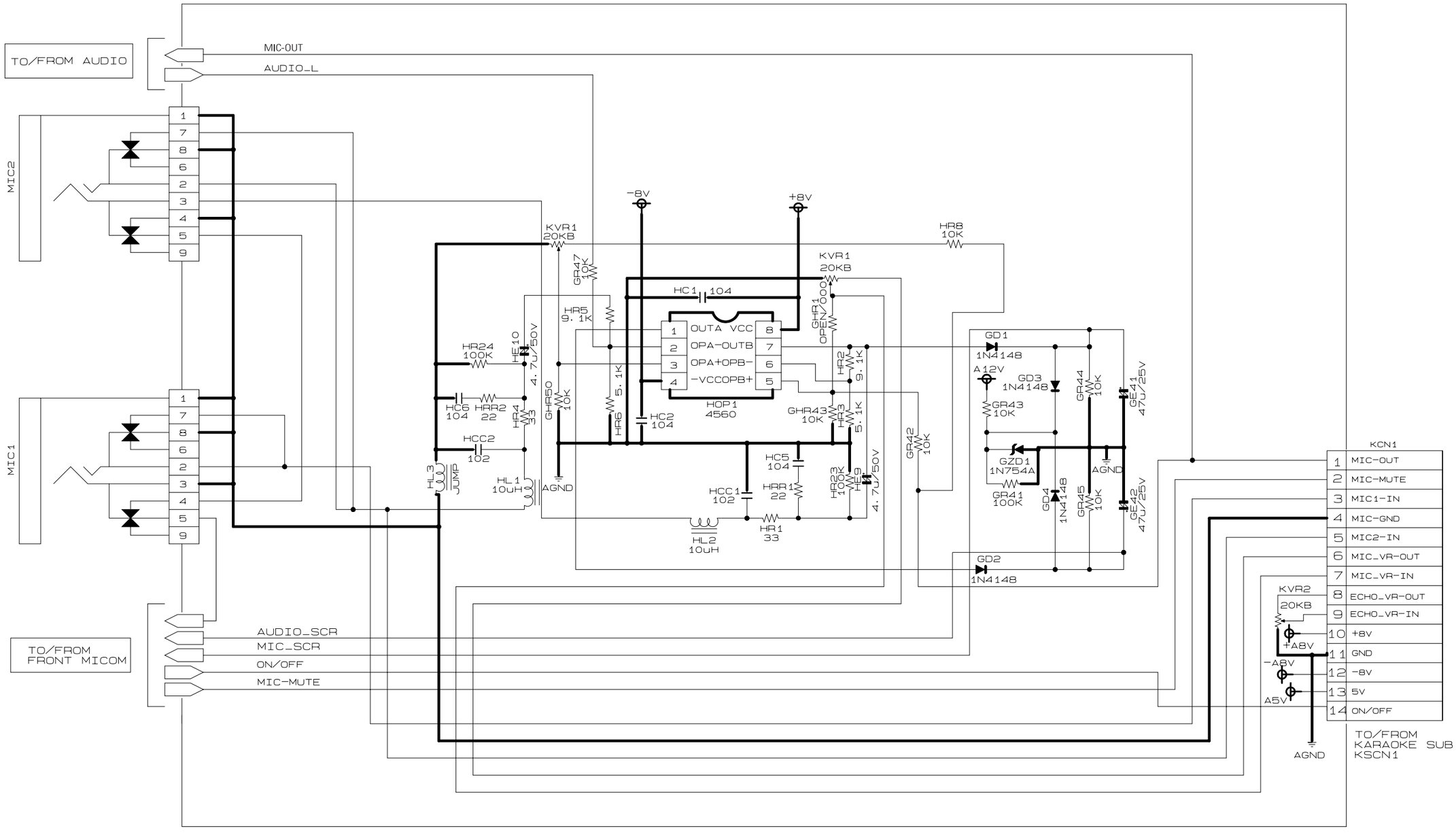
6-6 Audio (Only for DVD-E138A/E138B/E238)



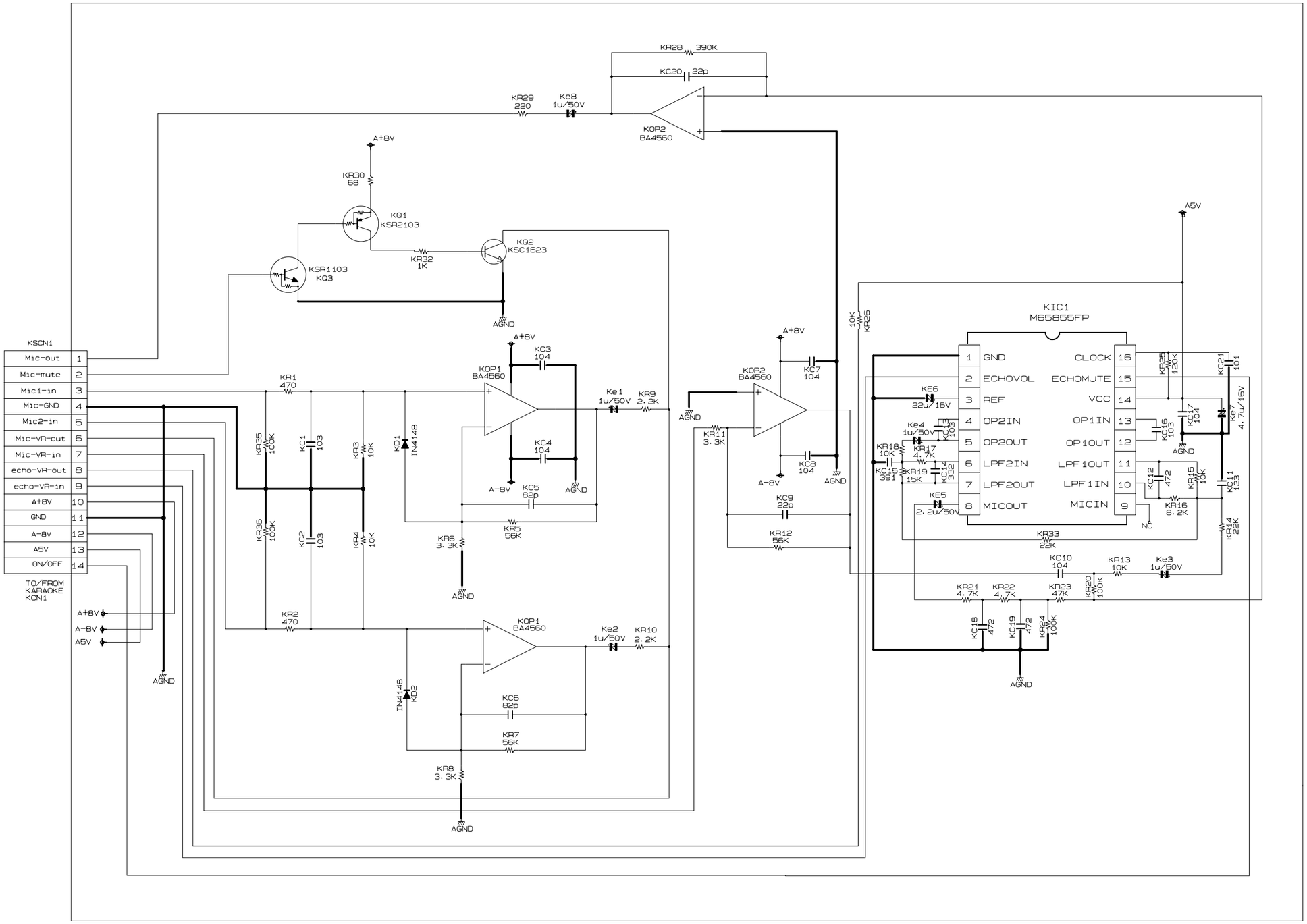
6-7 Audio (Only for DVD-E338K)



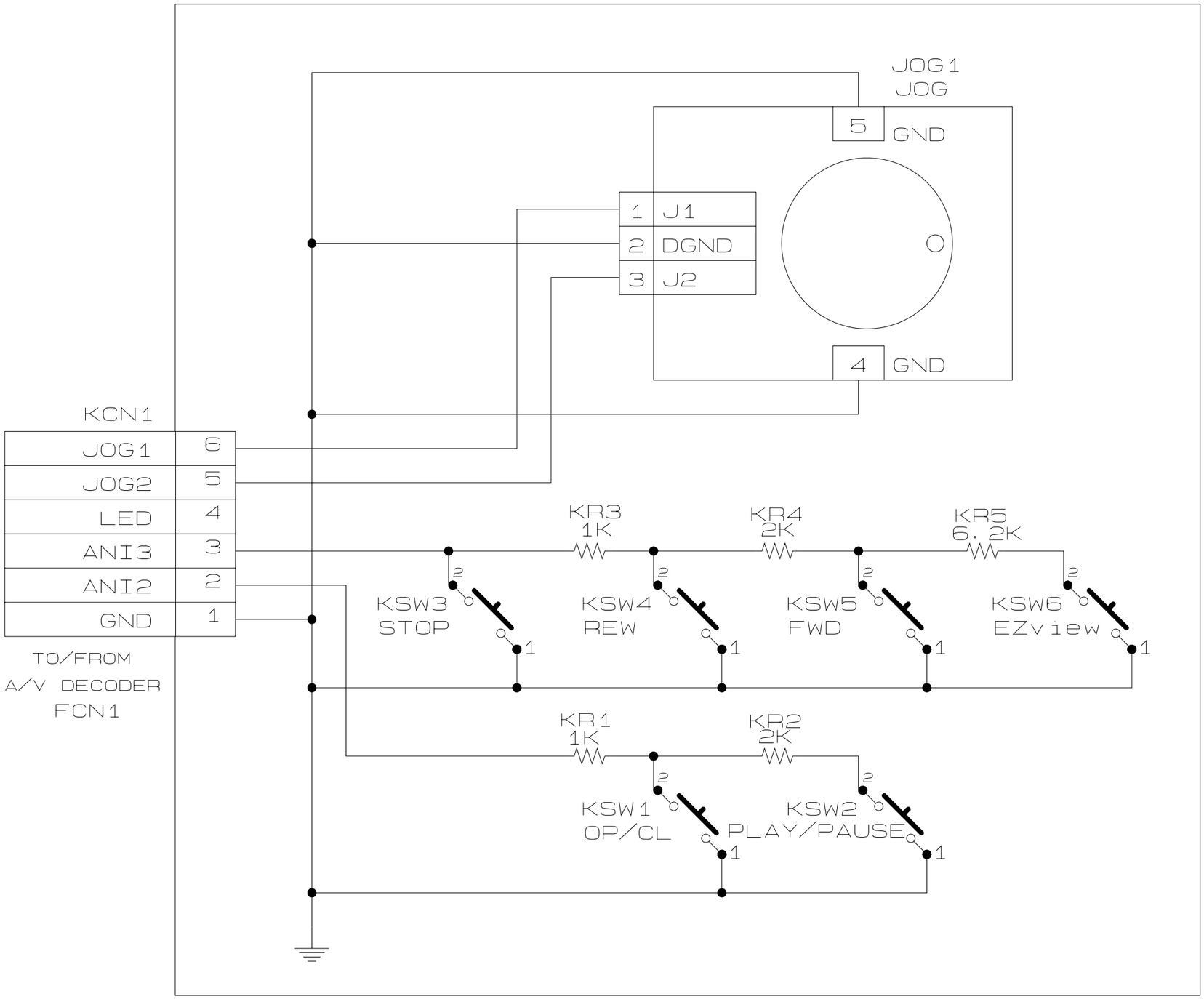
6-8 Karaoke (Only for DVD-E338K)



6-9 Karaoke Sub (Only for DVD-E338K)



6-10 Key (Only for DVD-E338K)



MEMO